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19	24	5689091.URPN.	USPAT	2002/10/23 08:57
20	5	("4170819" "4211603" "5319159"	USPAT	2002/10/23
33	23	"5487218" "5557503").PN. 5600541.URPN.	USPAT	2002/10/23
34	12	("4630172" "4705917" "4899118" "5012386" "5043794" "5121293" "5128831" "5164699" "5239448"	USPAT	09:00 2002/10/23 09:00
35	103	"5247423" "5319521" "5412538").PN. 4630172.URPN.	USPAT	2002/10/23
38	37	5646828.URPN.	USPAT	2002/10/23
39	11	5963429.URPN.	USPAT	2002/10/23
40	0	6404648.URPN.	USPAT	2002/10/23
41	7	("5963429" "6077724" "6100594" "6184463" "6258626" "6294838" "6294839").PN.	USPAT	2002/10/23 09:06
42	18	("5088190" "5528222" "5541525" "5566441" "5600175" "5607818" "5633122" "5634267" "5656551" "5682143" "5733800" "5767564" "5784260" "5811879" "5818698" "5875100" "5898217" "5963429").PN.	USPAT	2002/10/23
43	23	("3745505" "3777221" "4577214" "4862323" "5019673" "5081563" "5134246" "5196089" "5258575" "5371404" "5438224" "5461197" "5488542" "5545924" "5589781" "5635761" "5663593" "5811879" "5815372" "5854534" "5925934" "5940687" "6087732").PN.	USPAT	2002/10/23 09:08
44	13	5159750.URPN.	USPAT	2002/10/23 09:12
45	7	("4362902" "4711700" "4717066" "4857483" "5014111" "5159750" "5160409").PN.	USPAT	2002/10/23 09:13
46	24	("3676748" "3890636" "3892583" "4079511" "4115837" "4132856" "4286456" "4320438" "4340902" "4396971" "4475007" "4513355" "4551746" "4630172" "4654694" "4677526" "4705917" "4801765" "4839717" "4866504" "4872260" "4879588" "4890155" "4891687").PN.	USPAT	2002/10/23
47	22	4879588.URPN.	USPAT	2002/10/23
48	4	5611876.URPN.	USPAT	2002/10/23 09:14
49	11	("3760090" "4608592" "4705917" "4710250" "4764846" "4837408" "4879588" "4972253" "5218230" "5225709" "5461196").PN.	USPAT	2002/10/23
50	6	5461196.URPN.	USPAT	2002/10/23 09:16
51	11	("3872583" "4289922" "4296456" "4320438" "4336088" "4338621" "4340902" "4387388" "4437141" "4441119" "4458291").PN.	USPAT	2002/10/23 09:21
54	19	5497031.URPN.	USPAT	2002/10/23 09:24
57	14	5357056.URPN.	USPAT	2002/10/23 09:25
58	4	5952714.URPN.	USPAT	2002/10/23 09:25

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59	3	("5327325" "5357056" "5753857").PN.	USPAT	2002/10/23 09:25
64	17	4187868.URPN.	USPAT	2002/10/23
65	6	("2874316" "3050422" "3499792" "3527607" "3871395" "3998653").PN.	USPAT	2002/10/23
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			EPO; JPO; DERWENT	
112	29	"5796170"	USPAT;	2002/10/23
			US-PGPUB; EPO; JPO;	09:37
113	20	 "5491362"	DERWENT USPAT;	2002/10/23
113	20	3431302	US-PGPUB;	09:38
			EPO; JPO; DERWENT	
114	22	"5444296"	USPAT;	2002/10/23
			US-PGPUB; EPO; JPO;	09:38
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		US-6043559-\$ or US-6324067-\$ or US-5043794-\$ or US-5600541-\$ or		
		US-5497031-\$ or US-5357056-\$ or US-4187868-\$ or US-5327325-\$ or		
		US-6420782-\$ or US-5012386-\$ or		
		US-4630172-\$ or US-5672909-\$ or US-5173767-\$ or US-6117193-\$ or		
		US-6396116-\$ or US-6342670-\$).did. or (US-6214644-\$ or US-5963429-\$ or		
		US-6445591-\$ or US-6404648-\$ or		
		US-6294839-\$ or US-6184463-\$ or US-6380631-\$ or US-4879588-\$ or		
		US-5461196-\$ or US-5611876-\$ or US-4513355-\$).did. or		
117	151	(US-20020006687-\$).did.		0000/10/00
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		US-5357056-\$ or US-4187868-\$ or		
		US-5327325-\$ or US-6420782-\$ or US-5012386-\$ or US-4630172-\$ or		
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		US-6342670-\$).did. or (US-6214644-\$ or		
		US-5963429-\$ or US-6445591-\$ or US-6404648-\$ or US-6294839-\$ or		
		US-6184463-\$ or US-6380631-\$ or US-4879588-\$ or US-5461196-\$ or		
		US-5611876-\$ or US-4513355-\$).did. or		
		(US-20020006687-\$).did.)		

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	T			
118	17	("5444296" "5652463" "5674785" "5808878" "5952611" "5956233"	USPAT	2002/10/23 09:39
		"5973403" "5994166" "6013948"		03.33
		"6020629" "6091138" "6181002"		
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120	2	("5172303" "5239448").PN.	USPAT	2002/10/23
				09:40
121	11	("4675789" "5557502" "5583378"	USPAT	2002/10/23
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122	8	5923540.URPN.	USPAT	2002/10/23
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124	5	("5081563" "5103283" "5210683"	HGDAM	09:46
124	5	"5272590" "5403784").PN.	USPAT	2002/10/23
125	26	5796170.URPN.	USPAT	2002/10/23
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126	2	("4954877" "5371404").PN.	USPAT	2002/10/23
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12/	29	("3926746" "4681656" "4792646" "4802277" "4849856" "4910584"	USPAT	2002/10/23 09:51
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	İ	"5332864" "5345106" "5357672"		
ŀ		"5381039" "5420460").PN.		
128	6	("5222014" "5237204" "5444296"	USPAT	2002/10/23
120	10044	"5543663" "5567983" "5633783").PN.		09:59
129	19944	<pre>(optical near1 (device package)) and (window transparent)</pre>	USPAT;	2002/10/23
		(window cransparency	US-PGPUB; EPO; JPO;	10:06
			DERWENT	
130	683	((optical near1 (device package)) and	USPAT;	2002/10/23
		(window transparent)) and (second adj	US-PGPUB;	10:10
		(chip die device semiconductor))	EPO; JPO;	
131	20486	((optical near1 (device package)) (ccd	DERWENT USPAT;	2002/10/23
-		adj chip)) and (window (glass adj cover)	US-PGPUB;	10:09
		transparent)	EPO; JPO;	
120			DERWENT	
132	699	(((optical near1 (device package)) (ccd	USPAT;	2002/10/23
		adj chip)) and (window (glass adj cover) transparent)) and (second adj (chip die	US-PGPUB; EPO; JPO;	10:20
		device semiconductor))	DERWENT	
133	359	((((optical nearl (device package)) (ccd	USPAT;	2002/10/23
		adj chip)) and (window (glass adj cover)	US-PGPUB;	10:13
[transparent)) and (second adj (chip die	EPO; JPO;	
134	215	<pre>device semiconductor))) and glass (((((optical nearl (device package)) (ccd</pre>	DERWENT	2002/10/22
101	213	adj chip)) and (window (glass adj cover)	USPAT; US-PGPUB;	2002/10/23
		transparent)) and (second adj (chip die	EPO; JPO;	10.21
		device semiconductor))) and glass) and	DERWENT	
		(wiring wire bump ball flipchip (flip adj		
135	140	chip))		
132	148	((((((optical nearl (device package)) (ccd adj chip)) and (window (glass adj	USPAT;	2002/10/23
		cover) transparent)) and (second adj	US-PGPUB; EPO; JPO;	10:20
1		(chip die device semiconductor))) and	DERWENT	
	İ	glass) and (wiring wire bump ball		
		flipchip (flip adj chip))) and (cavity		
		apperture opening)		

136	147	/////ontignl was mi /damin with the	110D25	10000 /10 /00
130	14/	(((((((optical near1 (device package))	USPAT;	2002/10/23
	Ì	(ccd adj chip)) and (window (glass adj	US-PGPUB;	10:15
		cover) transparent)) and (second adj	EPO; JPO;	
		(chip die device semiconductor))) and	DERWENT	
	1	glass) and (wiring wire bump ball		
		flipchip (flip adj chip))) and (cavity		
		apperture opening)) not ((US-6407381-\$ or		
		US-6384473-\$ or US-6271056-\$ or		
		US-5952714-\$ or US-5753857-\$ or		
		US-5107328-\$ or US-6451624-\$ or		
		US-5689091-\$ or US-5633530-\$ or		
		US-6440770-\$ or US-6043559-\$ or		
		US-6324067-\$ or US-5043794-\$ or		
		US-5600541-\$ or US-5497031-\$ or]
		US-5357056-\$ or US-4187868-\$ or	ľ	
		US-5327325-\$ or US-6420782-\$ or		
		US-5012386-\$ or US-4630172-\$ or		j
		US-5672909-\$ or US-5173767-\$ or		
		US-6117193-\$ or US-6396116-\$ or		
	Ì	US-6342670-\$).did. or (US-6214644-\$ or		1
		US-5963429-\$ or US-6445591-\$ or		
		US-6404648-\$ or US-6294839-\$ or		
		US-6184463-\$ or US-6380631-\$ or]
		US-4879588-\$ or US-5461196-\$ or		
		US-5611876-\$ or US-4513355-\$).did. or		
		(US-20020006687-\$).did.)		
137	551		USPAT;	2002/10/23
		adj chip)) and (window (glass adj cover)	US-PGPUB;	10:20
		transparent)) and (second adj (chip die	EPO; JPO;	
		device semiconductor))) not	DERWENT	
		(((((((optical nearl (device package))		
		(ccd adj chip)) and (window (glass adj		
		cover) transparent)) and (second adj		
		(chip die device semiconductor))) and		
		glass) and (wiring wire bump ball		
		flipchip (flip adj chip))) and (cavity		
		apperture opening))		
138	131	(((((optical near1 (device package)) (ccd	USPAT;	2002/10/23
		adj chip)) and (window (glass adj cover)	US-PGPUB;	10:20
		transparent)) and (second adj (chip die	EPO; JPO;	
		device semiconductor))) not	DERWENT	
		((((((optical nearl (device package))		
		(ccd adj chip)) and (window (glass adj		
		cover) transparent)) and (second adj		
		(chip die device semiconductor))) and		
		glass) and (wiring wire bump ball		
		flipchip (flip adj chip))) and (cavity	1	
	ļ	apperture opening))) and (cavity		
		apperture)		
139	238	(((((optical near1 (device package)) (ccd	USPAT;	2002/10/23
		adj chip)) and (window (glass adj cover)	US-PGPUB;	10:20
		transparent)) and (second adj (chip die	EPO; JPO;	
]		device semiconductor))) not	DERWENT	
1		(((((((optical near1 (device package))		
		(ccd adj chip)) and (window (glass adj		
		cover) transparent)) and (second adj		
		(chip die device semiconductor))) and		
		glass) and (wiring wire bump ball		
		flipchip (flip adj chip))) and (cavity		
		apperture opening))) and (cavity		
1 1 1 1		aperture)		
140	161	((((((optical near1 (device package))	USPAT;	2002/10/23
		(ccd adj chip)) and (window (glass adj	US-PGPUB;	10:21
		cover) transparent)) and (second adj	EPO; JPO;	
		(chip die device semiconductor))) and	DERWENT	
		glass) and (wiring wire bump ball		
		flipchip (flip adj chip))) and (cavity		
		aperture opening)		

141	13	(((((((optical near1 (device package))	USPAT;	2002/10/23
111		(ccd adj chip)) and (window (glass adj	US-PGPUB;	10:21
		cover) transparent)) and (second adj	EPO; JPO;	10.21
		(chip die device semiconductor))) and	DERWENT	
		glass) and (wiring wire bump ball		
		flipchip (flip adj chip))) and (cavity		
		aperture opening)) not ((((((optical		
		near1 (device package)) (ccd adj chip))		
		and (window (glass adj cover)		
		transparent)) and (second adj (chip die		
		device semiconductor))) and glass) and		
		(wiring wire bump ball flipchip (flip adj		
142	161	<pre>chip))) and (cavity apperture opening)) ((((((optical near1 (device package))</pre>	ticonm.	2002/10/22
142	101	(ccd adj chip)) and (window (glass adj	USPAT; US-PGPUB;	2002/10/23
		cover) transparent)) and (second adj	EPO; JPO;	10.21
		(chip die device semiconductor))) and	DERWENT	
		glass) and (wiring wire bump ball		
		flipchip (flip adj chip))) and (cavity		
		aperture opening)) ((((((optical near1		
		(device package)) (ccd adj chip)) and		
		(window (glass adj cover) transparent))		
		and (second adj (chip die device		
	-	semiconductor))) and glass) and (wiring wire bump ball flipchip (flip adj chip)))		
		and (cavity aperture opening)) not		
		((((((optical near1 (device package))		
		(ccd adj chip)) and (window (glass adj		
		cover) transparent)) and (second adj		
		(chip die device semiconductor))) and	-	
		glass) and (wiring wire bump ball		
		flipchip (flip adj chip))) and (cavity		
143	68	apperture opening)))	MGDAW.	2002/10/22
142	68	(((((((optical nearl (device package)) (ccd adj chip)) and (window (glass adj	USPAT; US-PGPUB;	2002/10/23
		(ccd adj chip); and (window (grass adj cover) transparent)) and (second adj	EPO; JPO;	10:22
		(chip die device semiconductor))) and	DERWENT	
		glass) and (wiring wire bump ball	= ===================================	
		flipchip (flip adj chip))) and (cavity		
		aperture opening)) and (bump ball		
		flipchip (flip adj chip))		

144	<pre>7 ((((((((optical near1 (device package))</pre>	USPAT;	2002/10/23
	(ccd adj chip)) and (window (glass adj	US-PGPUB;	10:22
	cover) transparent)) and (second adj	EPO; JPO;	
	(chip die device semiconductor))) and	DERWENT.	
	glass) and (wiring wire bump ball		
	flipchip (flip adj chip))) and (cavity		
	aperture opening)) and (bump ball		İ
	flipchip (flip adj chip))) not	•	
	(((((((optical near1 (device package))		
	(ccd adj chip)) and (window (glass adj		
}	cover) transparent)) and (second adj		
	(chip die device semiconductor))) and		
	glass) and (wiring wire bump ball		
	flipchip (flip adj chip))) and (cavity		
	apperture opening)) not ((US-6407381-\$ or		
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	US-6117193-\$ or US-6396116-\$ or		
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	(US-20020006687-\$).did.))		

16	15	1	13	12	11	10	9	8	7	
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BRS 105 ((opening recess apperture USPAT; US-PGPUB; 2002/09/28 (through adj hole)) with EPO; JPO; DERWENT 11:20		•	near					***************************************
BRS 105 ((opening recess apperture USPAT; US-PGPUB; 2002/09/28 (through adj hole)) with EPO; JPO; DERWENT 11:20 (substrate plate carrier))) and			and window)				******	
(through adj hole)) with EPO; JPO; DERWENT 11:20		105	recess	r; us-	2002/09/28	-		ر
prate carrier)))		(adj hole)) with	JPO;	11:20	••••		•
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Туре	Hits	Search Text	DBs	Time Stamp	Comments
39 BRS	67	<pre>(((((optical near1 (device package))) and window) and ((opening recess apperture (through adj hole)) with (substrate plate carrier))) and (second near1 (device chip die))) and (ceramic glass)</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/28 11:15	
40 BRS	63	((((((optical near1 (device package))) and window) and ((opening recess apperture (through adj hole)) with (substrate plate carrier))) and (second nearl (device chip die))) and (ceramic glass)) and (mounting mounted attached attaching)	USPAT; US-PGPUB; 2002/ EPO; JPO; DERWENT 11:16	2002/09/28 11:16	
41 BRS	21	((((optical near1 (device package))) and window) and ((opening recess apperture (through adj hole)) with (substrate plate carrier))) and (second adj (device chip die))	USPAT; US-PGPUB; 2002/ EPO; JPO; DERWENT 11:20	2002/09/28 11:20	
42 BRS	1144	(((optical near1 (device package))) and window) and ((opening recess aperture (through adj hole)) with (substrate plate carrier))	USPAT; US-PGPUB; 2002/ EPO; JPO; DERWENT 11:28	2002/09/28 11:28	
43 BRS	1798	(((optical nearl (device package))) and window) and ((opening recess apperture window (through adj hole)) with (substrate plate carrier))	USPAT; US-PGPUB; EPO; JPO; DERWENT	-PGPUB; 2002/09/28 DERWENT 12:39	
44 BRS	75	((((optical near1 (device package))) and window) and ((opening recess apperture window (through adj hole)) with (substrate plate carrier))) and ((lid cover cap) near3 (glass ceramic))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/28 12:40	

50	49	48	47	46	4. U	
BRS	BRS	BRS	BRS	BRS	BRS	Туре
5	20	₽-3	α	ა ზ	8 6	Hits
5686698.URPN.	"5491362"	6117193.URPN.	("4318135" "4457017" "4591901" "4594613" "4803557" "5267043" "5559556" "5828409").PN.	((((((optical near1 (device package))) and window) and ((opening recess apperture window (through adj hole)) with (substrate plate carrier)) and ((lid cover cap) near3 (glass ceramic))) not (((((optical near1 (device package))) and window) and ((opening recess apperture (through adj hole)) and (second near1 (device chip die))) and (ceramic glass)) and (mounting mounted attached attaching))) not ((((optical near1 (device package))) and window) and ((opening recess apperture (through adj hole))) with (substrate plate carrier))) and (second adj (device chip die)))	(((((optical near1 (device package))) and window) and ((opening recess apperture window (through adj hole)) with (substrate plate carrier))) and ((lid cover cap) near3 (glass ceramic))) not (((((optical near1 (device package))) and window) and ((opening recess apperture (through adj hole)) with (substrate plate carrier))) and (second near1 (device chip die))) and (ceramic glass)) and (mounting mounted attached attaching))	Search Text
USPAT	USPAT; US-PGPUB; EPO; JPO; DERWENT	USPAT	USPAT	USPAT; US-PGPUB; EPO; JPO; DERWENT	USPAT; US-PGPUB; EPO; JPO; DERWENT	DBs
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BRS	BRS	BRS	BRS	BRS	BRS	Туре
184	226	429	7557	7557	5	Hits
((((((optical near1 (device package)) and window) and (opening recess apperture window)) and ((lid cover cap) near3 (glass light))) and (lead (conductive adj (trace pattern)) wiring)) not ((((optical near1 (device package))) and window) and ((opening recess apperture window (through adj hole)) with (substrate plate carrier))) and ((lid cover cap) near3 (glass ceramic)))	nearl (c nd windox sss appen ((lid cc light)))	((((optical nearl (device package))) and window) and (opening recess apperture window)) and ((lid cover cap) near3 (glass light))		(((optical nearl (device package))) and window) and (opening recess apperture window (through adj hole))	("3521128" "4809053" "4876588" "4976588" "4996587").PN.	Search Text
USPAT; US-PGPUB; EPO; JPO; DERWENT	USPAT; US-PGPUB; EPO; JPO; DERWENT	USPAT; US-PGPUB; EPO; JPO; DERWENT	USPAT; US-PGPUB; EPO; JPO; DERWENT	USPAT; US-PGPUB; EPO; JPO; DERWENT	USPAT	DBs
2002/09/28 12:46	2002/09/28 12:45	2002/09/28 12:42	2002/09/28 12:40	2002/09/28 12:40	2002/09/28 12:22	Time Stamp
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62	IS&R	740		USPAT; US-PGPUB; 2002/ EPO; JPO; DERWENT 12:59	2002/09/28 12:59			0
63	IS&R	1849	(438/48,54,64,69,107,109,110).cc	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/28 13:00			0
64	BRS	4911	((257/431,432,433,434).CCLS.) ((438/48,54,64,69,107,109,110).C CLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/28 13:00			0
65	BRS	95	((257/723,724).CCLS.) and (((257/431,432,433,434).CCLS.) ((438/48,54,64,69,107,109,110).C CLS.))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/28 13:01			0
66	IS&R	1116	(438/107,109,110).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/28 13:01			0
67	BRS	3495	((257/723,724).CCLS.) ((438/107,109,110).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/28 13:01			0
89	BRS	ω		USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/28 13:01			0
69	BRS	3802	((257/431,432,433,434).CCLS.) ((438/48,54,64,69).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/09/28 13:02			0
70	BRS	24	(((257/723,724).CCLS.) ((438/107,109,110).CCLS.)) and (((257/431,432,433,434).CCLS.) ((438/48,54,64,69).CCLS.))	USPAT; US-PGPUB; 2002/ EPO; JPO; DERWENT 13:02	2002/09/28 13:02			0
71	BRS	4	5952714.URPN.	USPAT	09/			0
72	BRS	ω	"5327325" "5357056" "5753857").PN.	USPAT	2002/09/30 08:45			0
73	BRS	23	5600541.URPN.	USPAT	2002/09/30 08:47			0